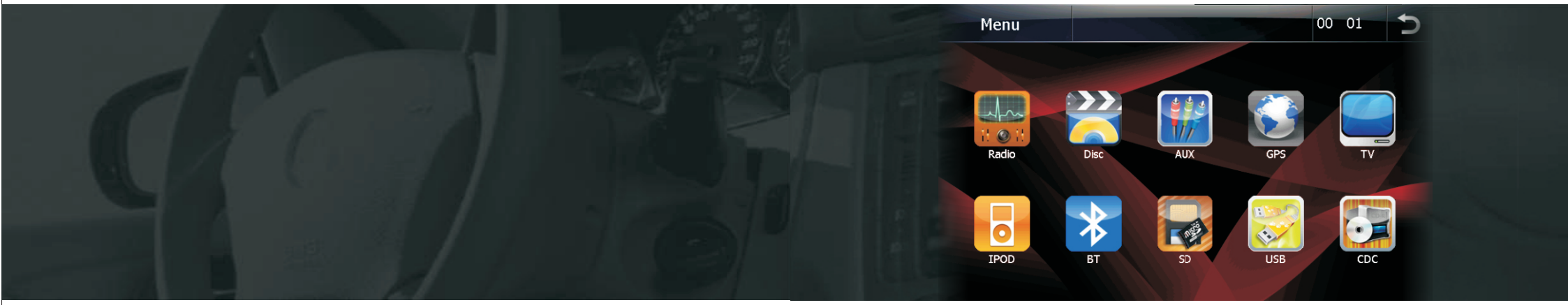
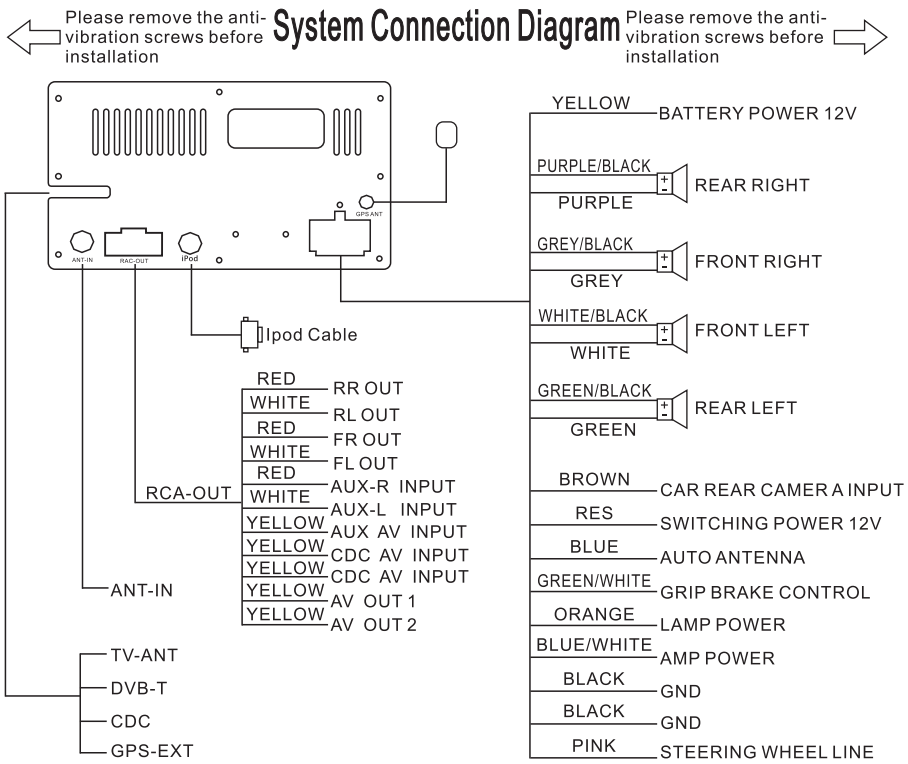
USER'S MANUAL



System Connection Diagram



CONTENTS

Before to operate the unit 2
Use and Maintain DVD Rom 5
Panel Functions 6
Remote control functions 7
Basic operation 12
Touch operation 15
Trouble shooting 29
Function Specs 30
Diagram Guidence 31
Wiring connection diagram 32

Note: Our company has right to edit the content without notice.

PRECAUTION

To avoid accident, please read below carefully before installation and operation.

1.About Safety

1) Please complied with the local highway code and rules.

2) Please do not watch or operation the unit when driving, as it can distract your attention.

3) Please park the car at a safe place before driver watching or operation this unit.

2.About Installation

1) Professional technicians and maintenance men are recommended for installation.

2) Please operation according to guidance and instruction of this manual correctly when you try to install by yourself.

3. Please cool the car before turning the unit on if the car has been parkedin sun, make sure that the temperature in car is between +60℃~-20℃.

4. The auto antenna will extend automatically when use this unit.

5. This unit may not work properly in high humidity atmosphere like rainweather , as humidity may gather on unit. Please take out the disc andwait till the humidity gone.

CAR AUDIO AV SYSTEM

WIRING DIAGRAM

The unit is designed for 12V DC, negative connect to ground.Make sure our vehicle is DC 12V,negative ground electrical system before installation. The sub woofer and automatically antenna of this unit have separate power supply.

Be sure to connect the color coded wires correctly according to diagra -m. Incorrect connections can cause the unit malfunction, or damage the vehicle electronics system.

Be sure to connect the speaker（-）to speaker（-）terminal. Never connect the left and right channel speaker cables to each other speak -er, or connect to vehicle body.

To avoid the unit damage by over heat, please do not block vents or heat radiating panel.

SPECIFICATION

FM TUNER

Frequency Range	87.5 - 108.0MHz
Intermediate Frequency	10.7MHz
Signal/Noise Radio	60dB
Stereo Separation@1Khz	40dB

AM TUNER

Frequency Range	522 - 1620KHz
Intermediate Frequency	450MHz
Usable Sensitivity	33dB

CD PLAYER

Signal/Noise Radio	80dB
Frequency Response	20Hz-20KHz
Channel Separation	70dB

AMPLIFIER

Supply power	13.8V
Power Output	45W×4CH
Load Impendnce	4-8Ohms

CAR AUDIO AV SYSTEM

6. To get high playing quality, please do not splash liquid on the disc or unit.
7. Turn off the unit first before you shut down your car. Or the unit would use your car battery.
8. The disc slot should keep clean, use soft cloth to clean it when has dust there.Clean your disc before you inserting it, or the dust would be brought into bydisc. The dust will affect playing quality, or cause playing problems suck as reading disc problem. This is not mecha -nism problem, but need professor to take qpart the unit and then clean it.
9. It will effect the useful life of unit when continue play for long time and onextreme high volume. Please use it at average volume for long time continue use, and convert to radio mode some times.
10. Please do not attempt to modify this unit by yourself, it can cause an accident.
11. It can damage pick up if play disc while car running on very bumpy road.
12. This unit can play the following discs only:

Type of disc	Label on the disc	Recorded material	Size of disc
DVD	DVD VIDEO	Sound and moving pictures	12CM
VCD	VIDEO CD / COMPACT disc DIGITAL VIDEO	Sound and moving pictures	12CM
MP4	MPEG4	Sound and moving pictures	12CM
CD	COMPACT disc DIGITAL AUDIO	Sound only	12CM

Note: 1.The unit is compatible with DVD,VCD1.0/2.0/3.0/DVCD/CD-RW/CD-R/MPEG4 version disc.
2.The maunal conforms to DVD,VCD,MP3 and CD. If no DVD,VCD or MP-EG4 on some models, you should ignore them. While enjoying DVD,VCD,MPEG4 and CD, the display will automatically identify the discs and indicate the corresponding words.

CAR AUDIO AV SYSTEM

SIMPLE TROUBLE SHOOTING

PROBLEM	CAUSE/SOLUTION
No power	※ Check and make sure whether the fuse is blown,replace with the proper value if necessary.
Some errors occur in the LCD or no function when pressing the button	※ Press the RESET button.
Unable to receive stations	※ Check and make sure whether the antenna is connected it properly if not.
Poor effect on receiving a station	※ Antenna may not be the proper length. Make sure the antenna is fully extende -d or broken;If broken,replace the ante -nna with a new one. ※ The broadcasting signal is too weak. ※ The antenna is poorly grounded. Cheak and at its mounting location.
Poor effect on electronics anti-shaking	※ The unit’ deck is dusty. Please clear it.
The disc cannot be loaded	※ A disc is already loaded
The stereo indicator ⊙⊙ is flashing	※ Tune in the frequency accurately. ※ The broadcasting signal is too weak. (Set to MONO mode)
No picture	※ The video line from main unit to the TV is not connected properly
The picture noise appears	※ Improper setting of the color system. Set the color system to “PAL” or “NTSC” . According to the connected television. ※ The CD is dirty or damaged.

CAR DVD PLAYER WITH GPS

19. USB/SD playback

- Enter USB/CD play screen as the following photo:

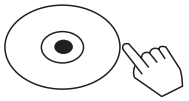
- 00:07 Will show the system time when it is
- Play/Pause.
- Will stop playing.
- Forward/backward playing
- TYPE Format selection button, can choose “JPG”, “MP4”, “AVI”, “XVID1.0/1.22”, “DIVX3.0-60” “VOB” “DAT” and MP3 modes.
- Press(▲ ▼) to choose song,and then click to play,you can hear
- the song of your choice.

  Selections: when you USB/SD card recorded a number of folders, directly left of the screen name of the folder,and then click the name of the right to play songs you would like to hear the songs.
- Repeat playing
- Press (↵) to return to main menu.

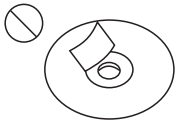
USAGE AND MAINTENANCE OF DISC

Playing dirty or harmed disk,the sound would be jumping. In order to get the best sound quality effect, please pay attention:

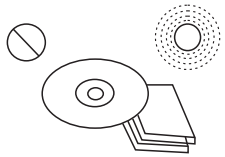
Do not touch the playback side of the disc.



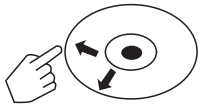
Do not stick paper or tape to the disc.



Keep the disc away from direct sunlight or heat sources. Do not place discs in the car on hot days.



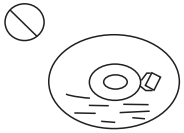
Before playing,wipe the disc outwards from the center with soft and clean cloth.



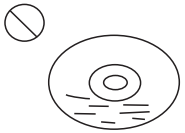
Do not use any solvent such as alcohol,thinner,commercially available cleaners or antistatic spray.

Do not use discs with remain -ing glue or ink on the surface, which may damage the discs during operation.

Do not use discs with torn tag.



Do not use discs with added tag.



PANEL INSTRUCTION

1、PWR：PWR Button

2、MIC： MIC Jack

3、MENU：MENU Button

4、MODE：MODE Button

5、SEL： SEL Button

6、⏭ / ⏬ ： Selecting track down/fast rewind

7、⏮ / ⏫ ： Selecting track up/fast forward

8、VOL+/-： Volume Button

9、MO/ST： Monaural/Stereo Button

10、RES： RESET Button

11、IR： Remote Sensor

12、USB ： MiNi USB Card Jack

13、Micro ： MiNi SD Card Jack

14、BAND： BAND Button

15、NAVI： NAVI Button

16、⏏ ： Eject Button

15, Click “ ” to enter Games Screen

Click your favourite game to play with.

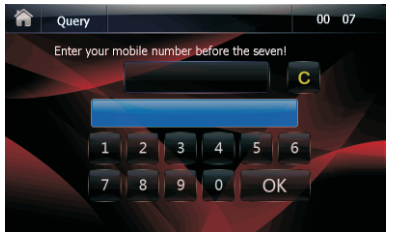
16, Click “ ” to enter GPS screen (Optional function)

Please refer to the provided GPS

software user manual in regard to operating GPS software correctly.

(Remark: Make sure GPS software is completely out before other operation is performed.)

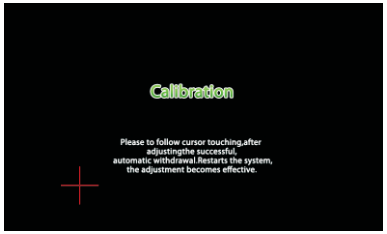
17, Click “ ” to check where mobile phone’s registered as the following photo:



Enter the first seven digit of a phone number, then click “” to show where this phone number is registered.

Click “ C ” to clear the record.

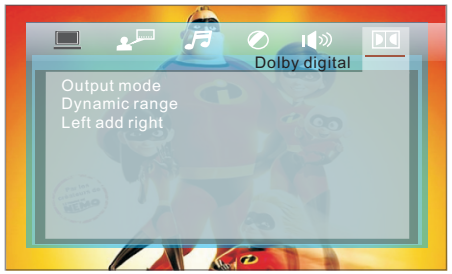
18, Click “ ” to enter Calibration as the following photo:


Calibration
Please to follow cursor touching,after adjustingthe successful, automatic withdrawal.Restarts the system, the adjustment becomes effective.

Click the “red cross” to automatically calibrate screen, the system will back to main screen after the calibration is successful. Please reboot the unit to make the calibration effect after calibration finished.

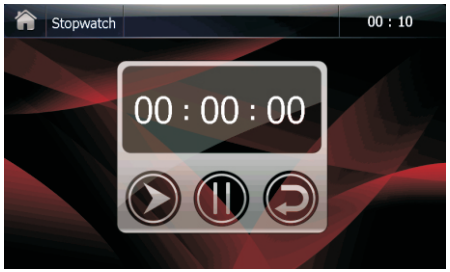
Can adjust video's "brightness", "contrast" "Hues" "Saturation" and "Sharpness"

Click " ▶ " on the remote control to select " Dobby Digital settings"



Can adjust Dobby surround's "output mode", "dynamic range" and "Left + Right"

14, Click " " to enter "Time counter" screen as the following photo:



Click " " to start counting seconds.

Click " " to stop counting seconds

Click " " to reset counting seconds.

REMOTE CONTROL OPERATION

1.【POWER】

Press PWR to turn on the unit,and then press PWR to turn off the unit.

2.【TITLE】

During DVD mode,press TITLE to return title menu. Meantime the screen will show TITLE MENU on up right corner of screen.

3.【MODE】

Press MODE can change the existing mode.

4.【MUTE】

Press MUTE to mute the volnme, press it again to resume the volume .

5.【0-9】NUMBER Button

You can select the desired music or chapter,preset station.

6.【SET UP】

In disc playing mode,press SET UP in different settings option to toggle.

7.【▲、▼、◀ 、▶、OK】

Use direction button(▲ 、▼ 、◀ 、▶)to select the items,and then press OK to confirm.

8.【AUDIO】

During playing mode,press AUDIO repeatedly to change the audio channel among:Left→Right→Stereo.

9.【MENU】

During playing mode,press MENU to return to previous menu.

10.【DISPLAY】

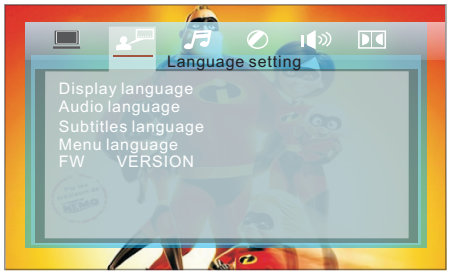
During playing mode,press DISPLAY displays the current status and informtion on the disc.

11/12.【◀◀ ▶▶】

During playing mode,press ◀◀ or ▶▶ to choose your desired radio

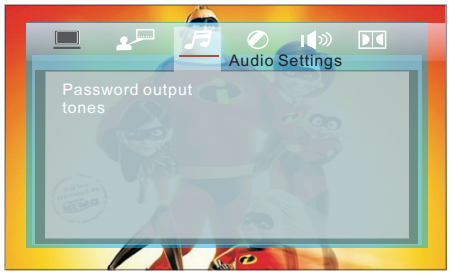
To set up system's "picture ratio","password" and "default".

Click " ▶ " button on remote control to select "language options" where you can set up "display

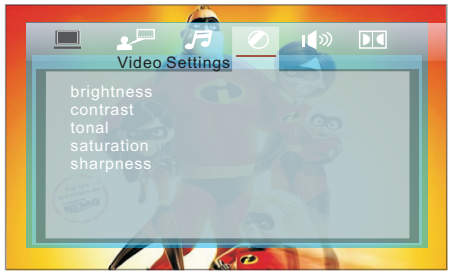


language", "Voice language", "Menu language" and "FW version".

Click " ▶ " button on remote control to select "Sound setup" to change the settings of "Digital output" and "Tone".



Click " ▶ " button on remote control to select "Video settings"



Click “TITLE” to select title to play

Click “MENU” to select Menu to play

Click “ ” to enlarge/decrease the playing image

1/4 enlargex2 – x3 –x4- Reduce x1/2 –x1/3 –x1/4

Click “ ” to enter multi-angle playback

Click “ ’ to shut down screen

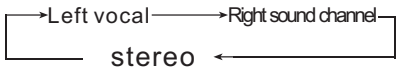
Click “ ” to mute sound while playing

Click “ ” to bring back the last song.

Click “ ’ to play/pause

Click “ ” to the next song.

Click “AUDIO” to select different sound channels.

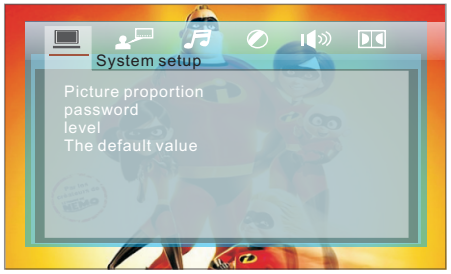


Click “SUB ’ to change the play language

Click “ ” to return main menu

Operate DVD via remote control

When DVD is playing, Press “setup” button on remote control as the following photo,



station upward or downward respectively.

13/14.【PREV/NEXT】

Press it button to select your desired station upward or downward resoectively.

15.【PLAY/PAUSE】

In playing mode,press PLAY/PAUSE to pause,and press again to resume playback.

16.【STOP】

Press STOP to stop play.

17.【SUB-T】

During DVD playing mode,press SUB-T button to the language of subtitle.

18.【ANGLE】

In DVD playing mode,press ANGLE button,you can watch the DVD content from different view angle.

19.【VOL+/-】

Press VOL+ button to increase the volume,press VOL- button to decrease the volume.

20.【ZOOM】

Press ZOOM button can put up the image size.

21.【GOTO】

In VCD/CD mode press GOTO key and set the time when you begin to play the track,and the LCD will display the time VCD TRK 18 PBC 00:00:00.

Enter your desired time by pressing number button(0-10+). For exa

-mple,enter VCD TRK 0 18 PBC 00:25:27 and ▶II ,it will automatically start playi

-ng the track from point of twenty-fifth minutes in the disc.

In DVD playing mode, press GOTO key once and input a desired track number,then press button to play the DVD from the position corres

-ponding to the track number selected.

Note:No time play function for MP3.

22.【SLOW】

In playing mode,continuously press SLOW to switch among five play speed:

Slow advance×1/2 → Slow advance×1/3 → Slow advance×1/4 → Slow advance×1/5 → Slow advance×1/6 → Slow advance×1/7 → Normal play

During slow play mode,press ▶II to resume normal play.

23.【LOC】

During radio mode

press LOC to select strong or weak signal station. Press LOC once,the letter LOC will appear on screen. At this time the unit will receive local stations only,press again will receive remote stations and local stations.

During disc playing mode

press LOC button to switch random play(RDM) will appear on the disp

-lay,which in dicates RDM function is activated. The unit plays any track at random. Press the button again to return to normal playback mode.

Click " ▲▼ " to browse next or previous page.

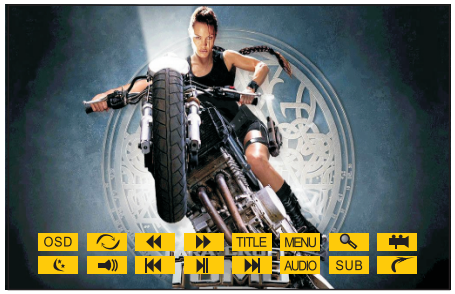
Click song to enter play music screen

Click " ◀◀ ▶▶ " to forward/backward songs

Click " ⏮ ⏭ " to play next/previous song

Click " ▶II " to play/pause song.

13, Click "🎬' to enter DVD play screen as the following photo



Click " OSD " to play DVD/CD disc, the music information is shown on the top of the screen

Click " 🔁 " to repeat play, can select single part, chapter or whole disc repeat

Click " ◀◀ ▶▶ " to forward/backward mode one time to have different speed mode for this function, as the following information

forward x2 – x4 – x8 –x20- Normal

Backward x2 – x4 –x8 –x20- Normal

Click “setup” to change sound affect settings between Classic, Pop, Jazz and Personalised modes.

Click “ ◀ ▶ ” to adjust “sound” and “Bass”

Click “ ◀ ▶ ▲ ▼ ” to adjust “Sound balance”

Click “ Loud ” to turn on/off Bass.

11, Click “ ” to enter “background selection” interface

After entering background interface, the “background image” can be changed.

For example, click “ ◀ ▶ ” to select different background images, find the favourite one then click “ OK ” to make the change.

12, Click “ ” to enter IPOD interface, as the following photo

After entering IPOD interface, you will see the music list such as “Playlist, Album, Songs, Styles, Artist etc.

24.【BAND】

Press BAND button to select the desired mode of reception. The sele-cted mode will be shown on the display as following:

FM1 → FM2 → FM3
AM2 ← AM1 ←

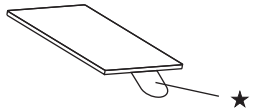
25.【A-B】

During playing mode,press A-B can choose to you the background.

26.【REPEAT】

Press REPEAT repeatedly to switch among following mode: “repe-ate chapter” “repeat subtitle” “repeat whole disc” and “cance-l repeat”.

27.Remote control operation

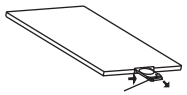


Insulator

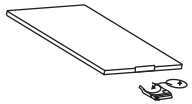
Please take off the insulator

★ before using the remote.

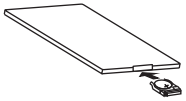
1) Pull out the battery holder while pressing the stopper.



2) Put the button - type battery(+)mark upward into the battery holder.



3) Insert the Battery Holder into the Remote Control.



BASIC OPERATION

1.Power on/off - PWR

Press POW button to turn on the unit, in playing mode, short press this key into mute mode. Press and hold for 3 seconds PWR key to turn off the unit.

2.Volume Increase/Decrease - VOL

During playing or OPERATION 2, press VOL+ to increase volume, and press VOL- to decrease volume.

Note: This unit has been set to standard setting, you can change the detailed setting according to your favor.

3. Mode Button

Under the normal operational status, you should enter Main Menu which includes: Radio, DVD, AUX, GPS, TV, IPOD, Bluetooth, SD, USB, CDC, Calibration, Steering Control, Bluetooth Music, Phonebook, Clock, Video, Sound, Background, Navipath, Games, System, Version No, Time, Calendar and Destination (TV, GPS and IPOD is optional)

Click “ ” to pick up calls

Click “VOL+” to increase volume

Click “VOL-” to decrease volume

8,Click “ ” to enter Time setup screen as the following picture：

Click “24” to 24H mode

Click “12” to 12H mode

Click “ ” to adjust time

Click “ ” to enter Display setup screen：

Display can change the settings of “brightness, Softness”, “contrast” and “Normal”.

Click “ ” to adjust “Brightness”, “Softness” and “Contrast”

10，Click “ ” to enter sound setup screen, as the following photo:

6, Click " " to enter CDC mode

Click " " to back the previous song

Click " " to the next song

Click " " to back the previous disc

Click " " to the next Disc

Click " " to play/pause.

Click " " to exit CDC mode.

7,Click " " to enter Steering control mode as the following picture indicates :

Click " " to turn off the unit

Click " " to the next song

Click " " to the previous song

Click " MUTE " to mute

Click " BAND" to switch Band

Click " MODE " to change Mode.

Click " " to hang up calls

4. Reset Button

Operation the unit for the first time, you had better reset the unit. Press RES button with a pointed object to set the unit to initial procedure.

If the unit at any time malfunctions use the reset button first before troubleshooting other aspects.

DVD/VCD/CD/MP4

1. Basic Operation

- Inserting a disc（with label side upward）,the unit will automatically start playing.
- Under other mode,if there already has disc in unit(For example, in radio mode),the unit will start playing automatically.After loading disc,the screen will show: READ.....

2.EJECT Button

Put disc in the state, to withdraw from the CD-ROM, click the EJECT button, the disc will popup from can come up with the disk.

3. Turn&Select Track up/down

Press( ):fast forward×2→fast forward×4→fast forward×8→ fast forward×20→play.

Press( ):rewind×2→rewind×4→rewind×8→ rewind×20→play.

4.Channel Converter

- During VCD/CD playing mode, press APS downward repeatedlly to change and audio channel among: Left→Right→Stereo.
- During DVD playing mode, press APS to change the audio channel of disc.

5. Mp3 playing

- Track selection method（1）

After inserting the mp3, the unit go to play list. Press（ ⏭ ）key once to next track, and press（ ⏮ ）key once to previous track.

- Track selection method（2）

After inserting the mp3, the unit go to play list. Use number key of （0-9）and 10+ on remote control to select the track straightly, and then press ENTER or □ key to play. You can also press ⏯ key on the main unit to play the selected track.

6. USB/SD card playback(only useful USB/SD card playback)

You can download your favourite songs from internet or computer.

Storing the songs in USB/SD card disc, the unit will play the songs.

During radio or DVD playback mode, the unit will switch to USB/SD card mode after inserting a USB/SD card disc. The unit will return to radio mode after removing the USB disc.

It can MP3/MP4 formats songs.

The songs selecting method is the same with MP3/MP4. Press ⏭ to next track, and press ⏮ to previous track.

Note : the file formats of USB disc can only be: FAT,FAT12/16/32.

7. TV playing(only useful for TV mode)

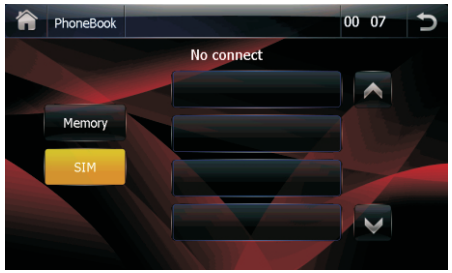
During playback mode, press MODE key to turn to TV playing mode.Press ⏭ or ⏮ to secect your favorit channel. Twist TUNE/MAMUL to finely tune a frequency forward and backward. Press BAND button for changing TV mode.

Click "Received" to check all received phone calls.

Click "Missed" to check unanswered calls

Click " ^ v " to next/previous page.

4,Click " 📞 " to enter Phonebook as the following picture

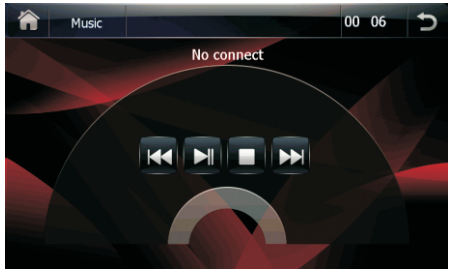


Click "Memory" to show all phone numbers saved in your mobile phone.

Click "SIM" to show all phone numbers saved on Phone SIM card.

Click " ^ v " to next\previous page.

5,Click " 🎵 " to enter Bluetooth Music mode as the following picture shows.



Click "⏮" to back the previous song.

Click "⏭" to the next song

Click "⏯" to play song.

Click "■" to stop playing.

After entering Bluetooth function, please let your mobile to search new Bluetooth device then connect to the unit, which pin code is 0000. When a call is coming, click "" to accept the call. When the call is over, the system will automatically resume back to the previous music play mode or Radio mode.

(When the Bluetooth pairing is turned off, the unit can be paired with another mobile phone after 30 seconds, in which time the unit still searches for the previous paired mobile phone.)

Click "C" to clear the record.

Click "replay" to reset the phone.

Click "disconnect" to cut off Bluetooth connection

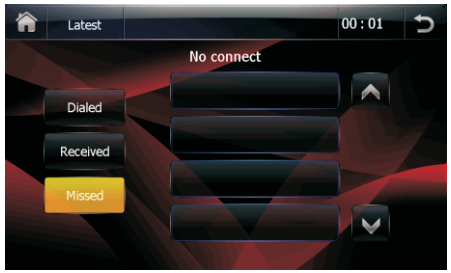
Click "connection" to connect the phone.

Click "" to make calls.

Click "" to swap between mobile Bluetooth and unit.

Click "" to hang up the calls

Click "Latest" to enter Phone book setup screen as the following picture



Click "Dialed" to check all dialled phone numbers.

1,Menu

Under the normal operational status, you should enter Main Menu which includes: Radio, DVD, AUX, GPS, TV, IPOD, Bluetooth, SD, USB, CDC, Calibration, Steering Control, Bluetooth Music, Phonebook, Clock, Video, Sound, Background, Navipath, Games, System, Version No, Time, Calendar and Destination (TV, GPS and IPOD is optional)

2,System Settings

Click "" to enter System Setup screen, as the following picture:

enter "888888" as the pin code to access "system setup screen

You can choose the correct language from multi-languages.

"Break Control" and "Button Sound" can be set up.

Car Logo can be selected.

Radio Operation

During Radio mode, makesure that the radio antenna is connected correctly to receive radio signal.

1. Band Selection

- In the radio state, press BAND key repeatedly to select band. The band procedure as below:

FM1 → FM2 → FM3 → AM1 → AM2 → FM1

2. Manual/Auto Tunning

Manual tunning:press ⏩ or ⏪ key, at this point shows that the frequency will also change.

Auto tunning:press ⏩ or ⏪ key for 3-5 seconds, the unit automat -ically search a station upward or downward respestively and plays when it finds a broadcasting station.

3, Browser/automatically save radio stations

Press ⧉ button to scan each stored station for 7 seconds respect ively then press ⧉ angin to start playing that station.

4,Sound affect adjustment

Click " sound " to swap between Classic, Pop, Rock, Jazz and customer etc sound effects.

Click "stereo" to swap between Mono and Stereo.

Click "LOUD" to turn on/off "loud"

Click "MUTE" to turn/off "Mute"

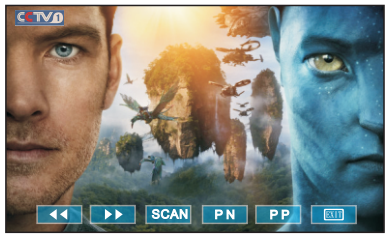
3,Click " " to enter AUX interface

Click "EQ" to swap between Classic, Pop, Jazz, Rock and customer etc sound effects.

Click "PP" to swap between "soft", "Color", "Normal" and "User".

Click " EXIT " to exit AUX interface.

4,TV (Optional)



Click" ⏩ " or " ⏪ " to forward or backward to select your preferred channels.

Click " SCAN " to auto scan and save the channels.

Click " PN " to select different TV format

PAL-I → PAL-D/K → PAL-B/G → PAL-M → NTSC → SECAM-BG → SECAM-DK → PAL-N →

Click " PP " to swap between "soft", "Color", "Normal", "User" and "Bright".

Click " EXIT " to exit TV screen.

When the TV tuner is the digital TV tuner, click right top screen to exit.

5, Click " " to enter Bluetooth screen